

CLAIMS

1. A cask buffer body comprising:
 - a shock absorber configured to be attached to a cask that stores a recycle fuel, wherein
- 5 the shock absorber absorbs a shock against the cask by being deformed, and includes a space for adjusting a shock absorbing capability.
2. The cask buffer body according to claim 1, wherein
10 the space is a hole formed in the shock absorber.
3. The cask buffer body according to claim 2, wherein
a cross-sectional shape of the hole includes an angular portion.
15
4. The cask buffer body according to claim 3, wherein
a dimension of the hole is changed toward a direction in which the shock is input to the shock absorber.
- 20 5. The cask buffer body according to claim 1, wherein
the space is a wedge notch, and
the wedge notch is formed at least on a side of the
shock absorber on which the shock is input to the shock absorber.
25
6. The cask buffer body according to claim 1, wherein
the space is a notch formed on the shock absorber.
7. The cask buffer body according to claim 1, wherein
30 the shock absorber is formed by combining a plurality of shock absorber blocks made of a wood material.
8. The cask buffer body according to claim 1, wherein

the shock absorber is formed by combining a plurality of shock absorber blocks made of a wood material, in an annular shape, and

5 the shock absorber blocks are integrated by winding a block binding unit around a circumferential groove formed on an outer circumference of the shock absorber in the annular shape.

9. The cask buffer body according to claim 1, wherein
10 the shock absorber is formed by combining a plurality of shock absorber blocks made of a wood material, in an annular shape,

each of the shock absorber blocks includes
15 a shock absorber block A having a diametral outside dimension smaller than a diametral inside dimension; and

a shock absorber block B having a diametral outside dimension larger than a diametral inside dimension, and

20 a compressive strength of the shock absorber block A is stronger than a compressive strength of the shock absorber block B.

10. The cask buffer body according to any one of claims 7
25 to 9, wherein

the space is provided in such a manner that the space divides or passes through fibers of the wood material constituting each of the shock absorber blocks.

30 11. The cask buffer body according to any one of claims 7 to 10, wherein

the space is provided substantially in parallel to fibers of the wood materials constituting each of the shock

absorber blocks.

12. The cask buffer body according to any one of claims 7 to 11, wherein

5 the space is a hole formed in each of the shock absorber blocks.

13. The cask buffer body according to claim 12, wherein a cross-sectional shape of the hole includes an

10 angular portion.

14. The cask buffer body according to claim 13, wherein the angular portion is formed on a side of the shock absorber on which the shock is input to the shock absorber.

15

15. The cask buffer body according to any one of claims 7 to 11, wherein

the space is a wedge notch, and

20 the wedge notch is formed at least on a side of the shock absorber on which the shock is input to the shock absorber, in such a manner that a top of the wedge notch is oriented to a direction in which the shock is input to the shock absorber.

25 16. The cask buffer body according to any one of claims 7 to 11, wherein

the space is a notch formed toward a direction in which the shock is input to the shock absorber.

30 17. The cask buffer body according to claim 16, wherein the space is a notch formed perpendicular to a fiber direction of the wood material.

18. The cask buffer body according to any one of claims 7
to 17, wherein

the shock absorber includes

a first shock absorber group that is obtained by
5 combining the shock absorber blocks in such a manner that a
fiber direction of the wood material is parallel to a shock
input direction, that absorbs the shock in a direction
parallel to an end surface of the cask, and that consists
of a first material;

10 a second shock absorber group that absorbs the
shock in a direction perpendicular to or oblique with
respect to the end surface of the cask, and that consists
of a second material of which a compressive strength is
weaker than a compressive strength of the first material;

15 and

a third shock absorber group that absorbs the
shock in a direction perpendicular to the end surface of
the cask, and that consists of a third material of which a
compressive strength is weaker than a compressive strength
20 of the second material, and

the space is provided at least in the first shock
absorber group.